

ABSTRACT

A system and a method for visual, electronic communication and/or entertainment purposes, displaying a lightshow, which can, if desired, represent selected information/events have been achieved. Said lightshow/information is displayed using one or more LED modules comprising more than one, usually three, LEDs emitting each light in different primary colors of a color space. Thus a lightshow/information/events can be visually displayed using a multitude of colors, different brightness, by flashing, by activation of specific positions, and by ON/OFF intervals. Said LED modules are controlled by a circuit comprising a LED driver unit, controlling the light intensity of each LED, a sequencer to control said LED drivers, and a memory to store the patterns for the illumination, the sequence and the brightness. The LEDs can be preferably addressed in a multiplexing mode, thus the connection between the LED drivers and the LEDs can be simplified. A user could compose his own light show, saving and replaying them or downloading light shows from the Internet or via a phone. After the defined sequence is downloaded the circuit runs autonomously. The present invention can be used for communication between persons, between persons and machines and for fun purposes.